

ABSTRACT OF THE DISCLOSURE

A flat panel display device with improved electrical characteristics and a simplified manufacturing process is disclosed. The device includes a semiconductor layer formed on an insulating substrate; source and drain electrodes directly contacting both end portions of the semiconductor layer, respectively; a pixel electrode having an opening portion formed thereon; a
5 first insulating layer formed over the remaining portion of the insulating substrate except for the opening portion; a gate electrode formed on a portion of the first insulating layer over the semiconductor layer; and source and drain regions formed in both end portions of the semiconductor layer.

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